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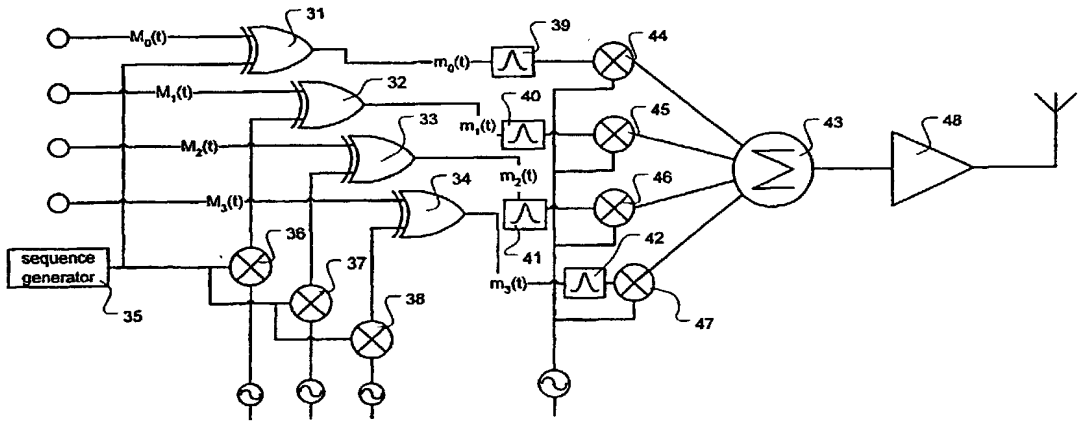

(57) Abstract: In a CDMA communication system, stations (4a, 4b, 4c) operating in the same area transmit to a receiver (2a) using a common carrier frequency. Each station (4a, 4b, 4c) transmits a plurality of bits in parallel using orthogonal spreading signals. These spreading signals are used by the stations (4a, 4b, 4c) in time-offset manner so that the transmissions from the stations (4a, 4b, 4c) are mutually orthogonal. The spreading signals may be generated by phase modulating a common spreading sequence so that the spectra of the spreading signals rotate at different rates.

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